SEP 27 '00 15:12 FR FINNEGAN HENDERSON

202 408 4400 TO 0113314051301?

202 408 4400





UNITED STATES DEPARTMENT OF COMMERCE Patent and Traderigis ffice ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

GUPL-043-PC

FINNEGAN, HENDERSON FARABOW ET. AL. TO: 1300 I STREET, NW

WASHINGTON, DC 20005

JUN 11 1990

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

FINNEGAN, HENDERSON. EARABOW, GARRETT & DUNNER

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME - NUMBER REFERENCED BELOW. A DIGEST OF THE DOCUMENT HAS ALSO BEEN MADE AND APPEARS IN THE OFFICE'S RECORDS AS SHOWN:

ASSIGNOR: OOI SANSONETTI, PH!LIPPE

DOC DATE: 02/23/90 DOC DATE: 02/23/90

ASSIGNOR: OOZ FONTAINE. A NNICK

RECORDATION DATE: 03/21/90 NUMBER OF PAGES OO! REEL/FRAME 5277/0539

DIGEST: ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE: 50! INSTITUT PASTEUR, 25-28 RUE DU DR. ROUX - 75724 PARIS CED EX (15) FRANCE

ASSIGNEE: 502 INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE 101 RUE DE TOLBIAC - 75654 PARIS CEDEX 13 (FRANCE)

SERIAL NUMBER PATENT NUMBER

7-460946

FILING DATE 00/00/00 00/00/00 ISSUE DATE



GAN

SEP 27 '00 15:12 FR FINNEGAN HENDERSON 202 408 4400 TO 01133140613017 P.

202 408 4400

Sign

(U.S. Rights Only)

ASSIGNMENT

TRANSFORMED SHIGELLA	(Title of Invention)		
or which I/We executed an application for United S	trates I etters Patent concurr	ently herewith or	filed an application for
		rial No); and
Inited States Letters Patent on	UR & INSTITUT NATI	ONAL DE LA	SANTE ET DE LA
WHEREAS. INSTITUT PASTE RECHERCHE MEDICALE ((Gall Name of Assignee)	<u> </u>	
	(Lift) (48116 of Unit Pines)		
corporations of FRANCE	Country of Incorporation)		
whose post office address is 1) 25-28 rue du Dr	Roux - 75724 PARIS	CEDEX (15)	France)
whose post office address to 22 101 rue de Tolbio	ic - 75654 Paris Cedi	SX 13 (France)
(hereinafter referred to as Assignee), is desirous of application for United States Letters Patent on this in NOW THEREFORE, be it known that, for go	of securing the entire right, invention and the Letters Pa	title, and interestent to be issued to	it in and to this invention, the upon this application;
this application, and all divisions, and continuation thereon, and all reissues thereof; and I/We hereby United States to issue all Letters Patent for this involved this Assignment; AND, I/WE HEREBY further covenant and assignee, its successors and assigns, any facts known assigns.	agree that I/We will, with	hans further con	sideration communicate Wil
sign all lawful papers when called upon to do so, the title to this invention in said assignee, its applications, make all rightful oaths and generally	execute and deliver all paper successors and assigns, or do everything possible to a price in the United States.	ms that may be necute all division id assigner, its state to being understoon	ecessary or desirable to perfernal, continuation, and reissu
sign all lawful papers when called upon to do so, the title to this invention in said assignee, its applications, make all rightful oaths and generally	execute and deliver all paper successors and assigns, to a ntion in the United States, it assignee, its successors and sunto set our hand(s).	ers that may be necute all division id assignee, its sign to being understood assigns.	ecessary or desirable to perfe- nal, continuation, and reissu accessors and assigns, to obta- od that any expense incident
sign all lawful papers when called upon to do so, the title to this invention in said assignee, its applications, make all rightful oaths and generally and enforce proper patent protection for this invention of such papers shall be borne by the	execute and deliver all paper successors and assigns, ex do everything possible to a ntion in the United States, i assignee, its successors and	ers that may be necute all division id assignee, its sign to being understood assigns.	ecessary or desirable to perfernal, continuation, and reissu
sign all lawful papers when called upon to do so, the title to this invention in said assignee, its applications, make all rightful oaths and generally and enforce proper patent protection for this inventie execution of such papers shall be borne by the INTESTIMONY WHEREOF, I/We have here 1. FULL HAME OF SCHEOR PARST ASSIGNOR SANSONETTI Philippe	execute and deliver all paper successors and assigns, to a ntion in the United States, it assignee, its successors and sunto set our hand(s).	ers that may be necute all division id assignee, its sign to being understood assigns.	ecessary or desirable to perfe- nal, continuation, and reissu accessors and assigns, to obta- od that any expense incident
sign all lawful papers when called upon to do so, the title to this invention in said assignee, its applications, make all rightful oaths and generally and enforce proper patent protection for this invention execution of such papers shall be borne by the IN TESTIMONY WHEREOF, I/We have here 1. FULL NAME OF SOLE OR PARST ASSIGNOR SANSONETTI Philippe ADDRESS	execute and deliver all paper successors and assigns, to a ntion in the United States, it assignee, its successors and sunto set our hand(s).	ecute all division id assignee, its state to being understood assigns.	ecessary or desirable to perfernal, continuation, and reissurcessors and assigns, to obtained that any expense incident of the perfernal party of the perfect
sign all lawful papers when called upon to do so, the title to this invention in said assignee, its applications, make all rightful oaths and generally and enforce proper patent protection for this invente execution of such papers shall be borne by the IN TESTIMONY WHEREOF, I/We have here 1. FULL NAME OF SOUL OR REST ASSIGNOR SANSONETTI Philippe ADDRESS 12 PM Brame - 75014 PARIS (France)	execute and deliver all paper successors and assigns, to a ntion in the United States, it assignee, its successors and sunto set our hand(s).	ecute all division id assignee, its sur being understood assigns.	ecessary or desirable to perfernal, continuation, and reissurcessors and assigns, to obtained that any expense incident of the perfernal party of the perfect
sign all lawful papers when called upon to do so, the title to this invention in said assignee, its applications, make all rightful oaths and generally and enforce proper patent protection for this invente execution of such papers shall be borne by the INTESTIMONY WHEREOF, I/We have here 1. FULL NAME OF SCLE OR FIRST ASSIGNOR SANSONETTI Philippe ADDRESS 13 bld Brune - 75014 PARIS (France) 2. FULL NAME OF SECOND ASSIGNOR, IF ANY	execute and deliver all papers successors and assigns, execute and deliver all papers do everything possible to a nation in the United States, it assignee, its successors and sunto set our hand(s).	ecute all division id assignee, its state being understood assigns. Conzension Frenci	ecessary or desirable to perfernal, continuation, and reissurcessors and assigns, to obtained that any expense incident of the perfernal part of the perfect of th
sign all lawful papers when called upon to do so, the title to this invention in said assignee, its applications, make all rightful oaths and generally and enforce proper patent protection for this invente execution of such papers shall be borne by the IN TESTIMONY WHEREOF, I/We have here 1. FULL NAME OF SOLE OR REST ASSIGNOR SANSONETTI Philippe ADDRESS 2. FULL NAME OF SECOND ASSIGNOR OF ANY FONTAINE ANTICK	execute and deliver all page successors and assigns, ex do everything possible to a nation in the United States, it assignee, its successors and sunto set our hand(s). Assigned Seglandes	crizensup	ecessary or desirable to perfernal, continuation, and reissurcessors and assigns, to obtained that any expense incident of the perfernal part of the perfect of th
sign all lawful papers when called upon to do so, the title to this invention in said assignee, its applications, make all rightful oaths and generally and enforce proper patent protection for this invente execution of such papers shall be borne by the INTESTIMONY WHEREOF, I/We have here 1. FULL NAME OF SCLE OR FIRST ASSIGNOR SANSONETTI Philippe ADDRESS 13 Did Brune - 75014 PARIS (France) 2. FULL NAME OF SECOND ASSIGNOR, IF ANY FONTAINE ANNICK ADDRESS 18 rue Lignicourt 75014 PARIS (France)	execute and deliver all page successors and assigns, ex do everything possible to a nation in the United States, it assignee, its successors and sunto set our hand(s). Assigned Seglandes	ecute all division id assignee, its state being understood assigns. Conzension Frenci	ecessary or desirable to perfernal, continuation, and reissurcessors and assigns, to obtained that any expense incident of the perfernal part of the perfect of th
sign all lawful papers when called upon to do so, the title to this invention in said assignee, its applications, make all rightful oaths and generally and enforce proper patent protection for this invente execution of such papers shall be borne by the IN TESTIMONY WHEREOF, I/We have here 1. FULL NAME OF SOLE OR REST ASSIGNOR SANSONETTI Philippe ADDRESS 2. FULL NAME OF SECOND ASSIGNOR OF ANY FONTAINE ANNICK	execute and deliver all papers successors and assigns, expending possible to a nation in the United States, its successors and sunto set our hand(s). Assignors signarias (1) Assignors (1)	crizenses Crizenses French	ecessary or desirable to perfernal, continuation, and reissurcessors and assigns, to obtain that any expense incident of that any expense incident of the party o
sign all lawful papers when called upon to do so, the title to this invention in said assignee, its applications, make all rightful oaths and generally and enforce proper patent protection for this invente execution of such papers shall be borne by the INTESTIMONY WHEREOF, I/We have here 1. FULL MAME OF SCLEON PARST ASSIGNOR SANSONETTI Philippe ADDRESS 13 bld Brune - 75014 PARIS (France) 2. FULL MAME OF SECOND ASSIGNOR, IF ANY FONTAINE ANNICK ADDRESS 18 rue Lignicourt 75014 PARIS (France)	execute and deliver all papers successors and assigns, expending possible to a nation in the United States, its successors and sunto set our hand(s). Assignors signarias (1) Assignors (1)	crizensup	ecessary or desirable to perfernal, continuation, and reissurcessors and assigns, to obtain that any expense incident of that any expense incident of the party o
sign all lawful papers when called upon to do so, the title to this invention in said assignee, its applications, make all rightful oaths and generally and enforce proper patent protection for this invente execution of such papers shall be borne by the IN TESTIMONY WHEREOF, I/We have here 1. FULL NAME OF SOLE OR REST ASSIGNOR SANSONETTI Philippe ADDRESS 13 bid Brune - 75014 PARIS (France) 2 FULL NAME OF SECOND ASSIGNOR OF ANY FONTAINE ANTICK ADDRESS 18 rue Liuncourt 75014 PARIS (France) 2 FULL NAME OF THIRD ASSIGNOR OF ANY	execute and deliver all papers successors and assigns, experience of the variety do everything possible to a assignee, its successors and sunto set our hand(s). ASSIGNOR'S SIGNATURE ASSIGNOR'S SIGNATURE	crizenses Crizenses French	ecessary or desirable to perfernal, continuation, and reissurcessors and assigns, to obtain that any expense incident of that any expense incident of the party o
sign all lawful papers when called upon to do so, the title to this invention in said assignee, its applications, make all rightful oaths and generally and enforce proper patent protection for this invente execution of such papers shall be borne by the IN-TESTIMONY WHEREOF, I/We have here 1. FULL NAME OF SOLE OR RAST ASSIGNOR SANSONETTI Philippe ADDRESS 13 bid Brune - 75014 PARIS (France) 2. FULL NAME OF SECOND ASSIGNOR IF ANY FONTAINE ANTICK ADDRESS 18 rue Lignicourt 75014 PARIS (France) 2. FULL NAME OF THERO ASSIGNOR IF ANY	execute and deliver all papers successors and assigns, expending possible to a nation in the United States, its successors and sunto set our hand(s). Assignors signarias (1) Assignors (1)	crizenses Crizenses French	ecessary or desirable to perfernal, continuation, and reissurcessors and assigns, to obtain that any expense incident of that any expense incident of the party o
sign all lawful papers when called upon to do so, the title to this invention in said assignee, its applications, make all rightful oaths and generally and enforce proper patent protection for this invente execution of such papers shall be borne by the IN-TESTIMONY WHEREOF, I/We have here 1. FULL NAME OF SOLE OR REST ASSIGNOR SANSONETTI Philippe ADDRESS 13 DId Brune - 75014 PARIS (France) 2 FULL NAME OF SECOND ASSIGNOR IF ANY FONTAINE ANTICK ADDRESS 18 TUE Liancourt 75014 PARIS (France) 2 FULL NAME OF THIRD ASSIGNOR IF ANY	execute and deliver all papers successors and assigns, experience of the variety do everything possible to a assignee, its successors and sunto set our hand(s). ASSIGNOR'S SIGNATURE ASSIGNOR'S SIGNATURE	crizenses Crizenses French	ccessary or desirable to perfernal, continuation, and reissurcessors and assigns, to obtain that any expense incident of that any expense incident of the party o
sign all lawful papers when called upon to do so, the title to this invention in said assignee, its applications, make all rightful oaths and generally and enforce proper patent protection for this invention execution of such papers shall be borne by the IN-TESTIMONY WHEREOF, I/We have here 1. FULL NAME OF SULF OR REST ASSIGNOR SANSONETTI Phillippe ADDRESS 13 hid Brune - 75014 PARIS (France) 2. FULL NAME OF SECOND ASSIGNOR, IF ANY ADDRESS 18 FUE Lignicourt 75014 PARIS (France) 2. FULL NAME OF TOURD ASSIGNOR, IF ANY ADDRESS 4. FULL NAME OF FOURTH ASSIGNOR, IF ANY ADDRESS	ASSIGNOR'S SIGNATURE ASSIGNOR'S SIGNATURE ASSIGNOR'S SIGNATURE	crizensup crizensup crizensup	DATE DATE PARE
sign all lawful papers when called upon to do so, the title to this invention in said assignee, its applications, make all rightful oaths and generally and enforce proper patent protection for this invente execution of such papers shall be borne by the IN TESTIMONY WHEREOF, I/We have here 1. FULL NAME OF SOLE OR REST ASSIGNOR SANSONETTI Phillippe ADDRESS 13 hid Brune - 75014 PARIS (France) 2. FULL NAME OF SECOND ASSIGNOR OF ANY FONTAINE ANTICK ADDRESS 18 FUE Lignicourt 75014 PARIS (France) 2. FULL NAME OF THEFO ASSIGNOR OF ANY ADDRESS	execute and deliver all papers successors and assigns, experience of the variety do everything possible to a assignee, its successors and sunto set our hand(s). ASSIGNOR'S SIGNATURE ASSIGNOR'S SIGNATURE	crizensup crizensup crizensup	ccessary or desirable to perfernal, continuation, and reissurcessors and assigns, to obtain that any expense incident of that any expense incident of the party o
sign all lawful papers when called upon to do so, the title to this invention in said assignee, its applications, make all rightful oaths and generally and enforce proper patent protection for this invente execution of such papers shall be borne by the IN TESTIMONY WHEREOF, I/We have here 1. FULL NAME OF SOLE OR REST ASSIGNOR SANSONETTI Phillippe ADDRESS 13 hid Brune - 75014 PARIS (France) 2. FULL NAME OF SECOND ASSIGNOR, IF ANY FONTAINE ANTICK ADDRESS 4. FULL NAME OF FOURTH ASSIGNOR, IF ANY ADDRESS	ASSIGNOR'S SIGNATURE ASSIGNOR'S SIGNATURE ASSIGNOR'S SIGNATURE	crizensup crizensup crizensup	DATE DATE PATENT AND TRACEPAR DESCRIPTION DESCRIPTION
sign all lawful papers when called upon to do so, the title to this invention in said assignee, its applications, make all rightful oaths and generally and enforce proper patent protection for this invente execution of such papers shall be borne by the IN TESTIMONY WHEREOF, I/We have here 1. FULL NAME OF SOLE OR REST ASSIGNOR SANSONETTI Phillippe ADDRESS 13 hid Brune - 75014 PARIS (France) 2. FULL NAME OF SECOND ASSIGNOR OF ANY FONTAINE ANTICK ADDRESS 4. FULL NAME OF FOURTH ASSIGNOR OF ANY ADDRESS 5. FULL NAME OF FIFTH ASSIGNOR OF ANY ADDRESS	ASSIGNOR'S SKINATURE ASSIGNOR'S SKINATURE ASSIGNOR'S SKINATURE	crizensee crizensee crizensee crizensee crizensee crizensee	DATE DATE PATENT AND TRACEMAX
sign all lawful papers when called upon to do so, the title to this invention in said assignee, its applications, make all rightful oaths and generally and enforce proper patent protection for this invente execution of such papers shall be borne by the INTESTIMONY WHEREOF, I/We have here 1. FULL NAME OF SOLE OR REST ASSIGNOR SANSONETTI Philippe ADDRESS 13 hid Brune - T5014 PARIS (France) 2. FULL NAME OF SECOND ASSIGNOR, IF ANY FONTAINE ANTICK ADDRESS 4. FULL NAME OF FOURTH ASSIGNOR, IF ANY ADDRESS 4. FULL NAME OF FOURTH ASSIGNOR, IF ANY ADDRESS 5. FULL NAME OF FOURTH ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE ASSIGNOR'S SIGNATURE ASSIGNOR'S SIGNATURE	crizensee crizensee crizensee crizensee crizensee crizensee	DATE DATE PATENT AND TRACEMAR DEFICE PATENT AND TRACEMAR DEFICE PATENT AND TRACEMAR DEFICE

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER • WASHINGTON, D.C.

PHFOD FORM 100 Namedo &